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| Substitute for form 1449A/PTO   |                        | <b>Complete if Known</b> |                      |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |                        | Application Number       | 10/743,337           |
|   |                        | Filing Date              | December 23, 2003    |
|   |                        | First Named Inventor     | Takako TAKASU et al. |
|   |                        | Art Unit                 | 1774                 |
|   |                        | Examiner Name            | Marie Rose Yamnitzky |
| Sheet 1 of 1  | Attorney Docket Number | 740756-2691              |                      |

| U.S. PATENT DOCUMENTS          |                       |  |                             |   |   |
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| Examiner Initials <sup>1</sup> | Cite No. <sup>1</sup> | U.S. Patent Document                       | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                                |                       | Number - Kind Code <sup>2</sup> (if known) |                             |   |   |
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|                                |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>2</sup> (if known) |                             |   |   |                |
| MEY                            |                       | JP 11-087062  | 03-30-1999                  |   |   | AB             |
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| Examiner Signature | Marie R. Yamnitzky | Date Considered | Feb. 16, 2007 (Oct. 04, 2005) |
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\* Duplicate citation - reference, including abstract, previously considered.



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| MEY                            |                       | US-6,294,245 B1                            | 09/25/2001                  | Roitman et al.                                  |   |
| MEY                            |                       | US-2002/0011420 A1                         | 01/31/2002                  | Roitman et al.                                  |   |
|                                |                       | US-  |                             |   |   |
|                                |                       | US-  |                             |   |   |
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| MEY                            |                       | WO 01/078151 A2 & A3  | 10/18/2001                  | Zhming ZHUANG et al.                            |   | FULL           |
|                                |                       |   |                             |   |   |                |
|                                |                       |   |                             |   |   |                |

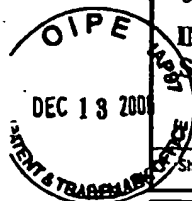
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| MEY   |                       | European Search Report (Application No. 03780763.3-2102; PCT/JP03/16029) Dated June 6, 2006   |                |
| MEY   |                       | F. LARMAT et al., "Comparative REACTIVITY OF THIOPHENE AND 3,4-(Ethylenedioxy) thiophene as Terminal Electropolymerizable Units in Bis-Heterocycle arylenes", <u>JOURNAL OF POLYMER SCIENCE: Part A: Polymer Chemistry</u> , Vol. 35, No. 17, December 1997, pp. 3627-3636. |                |
| MEY   |                       | E. BECKER et al., "High-Resolution Patterning of Organic Thin Films for Device Applications", <u>MST NEWS</u> , No. 1/02, February 2002, pp. 41-42.   |                |
| MEY   |                       | S. INAOKA et al., "Patterning and Electrochemical Deposition of Conjugated and Conducting Polymers in Organic Light-Emitting Diodes", <u>POLYMER PREPRINTS, American Chemical Society</u> , Vol. 41, No. 1, March 26, 2000, pp. 808-809.                                    |                |

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| Mej                            |                       | EP                        | 0 698 605 A1  | 02-28-1996                     |   | FULL  |
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| Mej   |                       | Official Communication Pursuant to Article 96(2) EPC - Application No. 03780763.3-2102 (PCTEP6829), October 12, 2006.   |                |
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